

Title (en)
Orthodontic adhesives

Title (de)
Orthodontische Haftmittel

Title (fr)
Adhésifs orthodontiques

Publication
EP 1992321 A3 20101013 (EN)

Application
EP 08251750 A 20080519

Priority
US 75076407 A 20070518

Abstract (en)
[origin: EP1992321A2] An orthodontic adhesive includes a curable resin monomer component; a quaternary curing initiator system; and filler. Another orthodontic adhesive having a W/C ratio (working time to curing time ratio) of at least 10, 12, 14 or 20, includes a curable resin monomer component; a curing initiator system; and filler. The adhesives are suitable as light-curing and may include a colorant. Suitable colorants include reversible, thermochromic dyes. The adhesive may also include a resin toughening component.

IPC 8 full level
A61K 6/00 (2006.01); **A61K 6/083** (2006.01); **A61K 6/893** (2020.01)

CPC (source: EP US)
A61K 6/30 (2020.01 - EP US); **A61K 6/62** (2020.01 - EP US); **A61K 6/68** (2020.01 - EP US); **A61K 6/887** (2020.01 - EP US); **A61K 6/893** (2020.01 - EP US)

Citation (search report)

- [X] US 6362250 B1 20020326 - KARMAKER AJIT [US], et al
- [A] US 2005192374 A1 20050901 - JIA WEITAO [US], et al
- [A] US 6960079 B2 20051101 - BRENNAN JOAN V [US], et al
- [A] US 2005043490 A1 20050224 - KLEE JOACHIM E [DE], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1992321 A2 20081119; **EP 1992321 A3 20101013**; **EP 1992321 B1 20180307**; JP 2008285489 A 20081127; JP 2013213043 A 20131017; JP 5455324 B2 20140326; US 2008286724 A1 20081120; US 2013065194 A1 20130314; US 2014336297 A1 20141113; US 8821157 B2 20140902; US 9408782 B2 20160809

DOCDB simple family (application)
EP 08251750 A 20080519; JP 2008130166 A 20080516; JP 2013141949 A 20130705; US 201213618722 A 20120914; US 201414445815 A 20140729; US 75076407 A 20070518